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FEDERAL - STATE - PRIVATE  
COOPERATIVE SNOW SURVEYS

U. S. DEPT. OF AGRICULTURE  
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MAY 12 1966

CURRENT SERIAL RECORDS

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
for  
**UTAH**

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE.  
and  
STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation,  
Utah Fish and Game Dept., Utah Agricultural Experiment Station,  
U.S. National Park Service, U.S. Geological Survey; and other  
Federal, State, and private organizations.

||||||| AS OF |||||  
**APR. 1, 1966**



# UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

## To Recipients of Water Supply Outlook Reports:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

### PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
<b>RIVER BASINS</b>			
WESTERN UNITED STATES _____	MONTHLY (FEB.-MAY) _____	PORTLAND, OREGON _____	ALL COOPERATORS
BASIC DATA SUMMARY _____	OCTOBER 1 _____	PORTLAND, OREGON _____	ALL COOPERATORS
<b>STATES</b>			
ALASKA _____	MONTHLY (MAR.-MAY) _____	PALMER, ALASKA _____	ALASKA S.C.D.
ARIZONA _____	SEMI-MONTHLY (JAN.15 - APR.1) _____	PHOENIX, ARIZONA _____	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
GOLORADO AND NEW MEXICO _____	MONTHLY (FEB.-MAY) _____	FORT COLLINS, COLORADO _____	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO _____	MONTHLY (JAN.-JUNE) _____	BOISE, IDAHO _____	IDAHO STATE RECLAMATION ENGINEER
MONTANA _____	MONTHLY (JAN.-JUNE) _____	BOZEMAN, MONTANA _____	MONT. AGR. EXP. STATION
NEVADA _____	MONTHLY (JAN.-MAY) _____	RENO, NEVADA _____	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON _____	MONTHLY (JAN.-JUNE) _____	PORTLAND, OREGON _____	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH _____	MONTHLY (JAN.-JUNE) _____	SALT LAKE CITY, UTAH _____	UTAH STATE ENGINEER
WASHINGTON _____	MONTHLY (FEB.-JUNE) _____	SPOKANE, WASHINGTON _____	WN. STATE DEPT. OF CONSERVATION
WYOMING _____	MONTHLY (FEB.-JUNE) _____	CASPER, WYOMING _____	WYOMING STATE ENGINEER

### PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA _____	MONTHLY (FEB.-JUNE) _____	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA _____	MONTHLY (FEB.-MAY) _____	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
for  
**UTAH**

JUNE 1, 1966

*Report prepared by*  
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SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
FEDERAL BLDG., ROOM 4012  
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*Issued by*

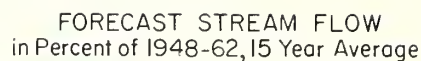
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STATE ENGINEER  
STATE OF UTAH  
SALT LAKE CITY, UTAH





J.A. LIBBY  
STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
SALT LAKE CITY, UTAH



## Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

Approximate Date



 80% to 100%  
 60% to 80%  
 Below 60%  
 Not Forecast or Non-Irrigated

Plain Figures = April - September  
 Figures in Parenthesis = April - July  
 Underlined Figures = April - June

Lake Powell Inflow = (55%)

Flaming Gorge Inflow - (55%)





# WATER SUPPLY OUTLOOK

APRIL 7, 1966

\*\*\*\*\*  
\* Very poor to only fair water supplies are expected for most water \*  
\* users in central and northern areas of the state who do not have \*  
\* good reservoir storage rights. Most streams in these areas are \*  
\* forecast to yield from about 25% to 65% of average flows. \*  
\* Storage in 14 of the principal neservoirs of the state is 124% of \*  
\* the 1948-62 average and should assure adequate supplies for those \*  
\* owning this water. Reservoirs will experience severe drawdown \*  
\* during the summer. Fairly good streamflow is expected in the \*  
\* southeast and southwestern corners of the state, and in the east- \*  
\* ern half of the Uintah Basin. \*  
\*\*\*\*\*

March weather has caused severe reductions in the prospects for this summer's streamflow. Mountain precipitation during the month was generally between 25% and 65% of average, with a few stations in northern Utah receiving 65% to 85%. In addition to the light precipitation, the abnormally high temperatures also reduced the water outlook by early melting and evaporation of the snowpack. Most snow courses lost snowpack water during the month, instead of gaining. To illustrate, the Dutchman snow course on the American Fork river ordinarily gains 2.9 inches of water during March, but this year it lost 3.7 inches. At Soapstone Ranger Station on the Provo river the snow course usually picks up 1.9 inches water, but this year it lost 2.1 inches. In southern Utah at Webster Flat on the Virgin river the usual gain is 2.7 inches, but this year it lost 3.9 inches water.

The combined result of the light precipitation and early reduction of the snowpack has been to cause most forecasts to drop 20% to 50% lower than forecast a month ago. The best outlook for the summer's streamflow still remains in southern and eastern areas. From 80% to near average flow is still expected from the Virgin river, the Sevier river above Circleville, Coal Creek near Cedar City, streams near Moab, Monticello and Blanding, Uintah Basin streams from Lakefork river eastward to Ashley and Brush Creeks north of Vernal, and smaller streams in east Carbon county.

Lowest forecasts include the following, with the forecast percent following each station. Bear river near Randolph 27%, Parleys Creek near Salt Lake 30%, East Canyon Creek near Morgan 31%, Hobble Creek near Springville 47%, Sevier river near Gunnison 49%, Chalk Creek near Coalville 50%, Bear river near Woodruff 53%.

Forecasts for the rest of the state range between 55% and 80% of average. In the higher part of this bracket, between 70% and 80% is expected from the Ogden river, Blacksmith Fork near Hyrum, the smaller streams near Woodruff and Randolph in Rich county, the upper Weber and Bear rivers, north slope Uintah mountain streams in Summit and Daggett counties, the Cottonwood Creeks near Salt Lake, Payson Creek, Rock Creek near Mountain Home and streams near Mt. Pleasant, the East Fork Sevier river, the Beaver river, Sevier river inflow from Kingston to Vermillion Dam, Escalante and Paria rivers, Parowan Creek.



## WATER SUPPLY OUTLOOK (continued)

The water outlook is very poor for water users dependent on natural streamflow who are served by the following listed rivers and streams. Here, streamflow is expected to be from 55% to 70% of average: streams near Ephraim, Mayfield and Salina, Chalk Creek and smaller streams near Fillmore; most streams in Carbon, Emery and Wayne counties, inflow to Utah Lake and Strawberry reservoir, Provo, Spanish Fork and American Fork rivers, strawberry and Duchesne rivers, streams near Tooele and Farmington, Lost Creek near Croydon, and the Little Bear and Logan rivers in Cache Valley.

If the dry weather which has persisted for the past three months throughout much of the state should continue on thru most of April and May, most of the streams where the outlook is already poor can be expected to nearly equal or fall below previous record low flows.

A few snowpack figures will illustrate how seriously low the snowpack is in several key areas. At Gooseberry Ranger Station on Salina Creek the present snowpack contained 5.8 inches of water. The record low of 5.3 inches was recorded in 1934. This year's reading is below the previous second place low of 5.9 set in 1931. Average for April 1st is 11.7 inches.

At the G.B.R.C. Headquarters snow course on Ephraim Creek the snow contained 9.4 inches of water. The record low is 8.0 inches, established in 1931. This year's reading is below the previous second place low of 10.6 inches recorded in 1934. The April 1st average is 18.1 inches.

Farther north in the state, the Soapstone Ranger Station course on the Provo river recorded 6.4 inches snow water, compared to the average of 13.6 inches. In 1934 there was only a trace of snow here, in 1931 the reading was 4.8 inches. This year's reading is below the previous third place low reading of 7.4 recorded in 1961. At the Mill D South Fork snow course on Big Cottonwood Creek near Salt Lake, the present reading of 9.5 inches water established a new record low. Previous low was 12.8 inches measured in 1963. However, readings at this snow course commenced in 1935, just after the drought years of 1931 and 1934. Average water content for this time of year is 21.4 inches.

The dry, warm weather of March also extended to the headwaters of the Green and Colorado rivers in Wyoming and Colorado, causing the water outlook to drop for these streams. The April-September streamflow for the Green river near Green river, Utah is now forecast at 49% of the 1948-62 average. The Colorado river near Cisco, Utah is expected to yield 66%, while the San Juan river near Bluff is higher at 91%.

The April-July inflow to Lake Powell is forecast at 4,200,000 acre feet, or 55% of the 1948-62 (15-year) average. Flaming Gorge inflow on the Green river is forecast at 620,000 acre feet for the April-July period, or 55% of the same 15-year average.



# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
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## GREAT BASIN

### BEAR RIVER SYSTEM

Bear at Harer, Idaho	157	Apr-Sept	511	258	61
Bear nr Randolph	25	Apr-Sept	229	94	27
Bear nr Ut-Wyo State Line	86	Apr-Sept	194	115	75
Bear nr Woodruff	62	Apr-Sept	241	117	53
Big Crk nr Randolph, Utah	6	Apr-Sept	13.0	8.6*	70
Blacksmith Fork nr Hyrum (4)	49	Apr-Sept	83	63	78
Little Bear nr Paradise	24	Apr-June	38	38	63
Logan nr Logan (3)	89	Apr-Sept	183	133	67
Smith's Fork nr Border, Wyoming	95	Apr-Sept	164	112	85
Woodruff Crk nr Woodruff, Utah	13	Apr-Sept	26.0	17.6*	74

### WEBER-OGDEN RIVERS

Chalk Crk at Coalville	18	Apr-Sept	68	36	50
East Canyon Crk nr Morgan (7)	8	Apr-Sept	46	25.6	31
Lost Crk nr Croydon, Utah	11	Apr-Sept	30	18.1	61
Pineview Reservoir Inflow (8)	88	Apr-July	148	115	77
So Fork Ogden nr Huntsville	49	Apr-Sept	90	62	79
Rockport Reservoir Inflow (5)	78	Apr-July	-	117*	67
Weber nr Coalville (6)	83	Apr-Sept	222	128	65
Weber nr Oakley	75	Apr-June	128	100	75
	94	Apr-Sept	188	123	76

### PROVO RIVER & UTAH LAKE

American Fork nr American Fork	22	Apr-Sept	42	33	67
Hobble Crk nr Springville	10	Apr-Sept	-	21.2	47
Payson Creek nr Payson	5.5	Apr-Sept	-	7.3	75
Provo nr Hailstone (10)	68	Apr-Sept	168	109*	62
Provo at Vivian Park (11)	89	Apr-Sept	-	144	62
Spanish Fork at Thistle	27	Apr-Sept	48	40	68
Strawberry Reservoir Inflow (9)	30	Apr-Sept	79	50	60
Utah Lake Inflow	180	Apr-Sept	381	282	64

### JORDAN RIVER & SALT LAKE

Big Cottonwood nr SLC	30	Apr-Sept	48	39	77
Little Cottonwood Crk nr SLC	29	Apr-Sept	53	38	76
Parley's Crk nr SLC	4	Apr-Sept	19	13.3	30

(1) Measured flow plus change in storage in Woodruff Narrows Reservoir. (2) Measured flow plus change in storage in Porcupine Reservoir. (3) Includes U.P. & L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (4) Above Utah Power & Light Company's dam. (5) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (6) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (7) Observed flow plus change in storage in East Canyon Reservoir. (8) Inflow record as computed by U.S. Bureau of Reclamation. (9) Change in storage plus diversion thru Strawberry tunnel. (10) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (11) Observed flow plus change in storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.





# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
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## SEVIER RIVER

Chalk Creek nr Fillmore	11	Apr-Sept	- -	16.7	66
Clear Crk nr Sevier (abv. Div.)	10	Apr-June	- -	12.9*	78
East Fork Sevier nr Kingston (12)	11	Apr-June	- -	15.8	70
	14	Apr-Sept	24.5	19.8	71

## Inflow

Kingston to Vermillion Dam	30	Apr-June	- -	39	77
Vermillion Dam to Gunnison	41	Mar-June	- -	59	69
Salina Crk at Salina (14)	0.3	Apr-June	18.6	8.3*	4
Sevier nr Circleville	32	Apr-Sept	54	40*	80
Sevier nr Gunnison	27	Apr-Sept	68	55	49
Sevier at Hatch	27	Apr-June	43	32	84
	39	Apr-Sept	63	45	87
Sevier nr Kingston	14	Apr-June	26.2	21.0	67
	18	Apr-Sept	35	25.5	71
Sevier below Piute Dam (13)	33	Apr-Sept	- -	45	73

## SAN PITCH RIVER

Ephraim Creek nr Ephraim	9	Apr-Sept	- -	15.2	59
Pleasant Crk nr Mt. Pleasant	7.3	Apr-Sept	12.1	9.7*	75
Twin Crk nr Mt. Pleasant	3.4	Apr-Sept	6.7	4.7*	72

## BEAVER RIVER

Beaver nr Beaver	13.5	Apr-June	16.5	18.0	75
	17	Apr-Sept	28.5	24.3	70
Rockyford Reservoir Inflow (15)	2.5	Apr-June	- -	7.8	32

## COAL CREEK

Coal Crk nr Cedar City	15	Apr-Sept	27.6	16.0	93
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## COLORADO RIVER BASIN

## GREEN RIVER TRIBUTARIES IN UTAH

## FLAMING GORGE TO DUCHESNE RIVER

Ashley Creek nr Vernal	55	Apr-Sept	- -	56	98
Henry's Fork at Linwood	25	Apr-Sept	- -	34	75

(12) Observed flow plus change in storage in Otter Creek Reservoir. (13) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (14) Gage is below diversions near Salina. (15) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (16) Observed flow plus diversion through Duchesne Tunnel.



# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
<u>DUCHESNE RIVER</u>					
Duchesne at Provo River (Trail nr Hanna)	26	Apr-Sept	- -	35*	74
Duchesne nr Tabiona (16)	72	Apr-Sept	183	114	63
Lakefork below Moon Lake (17)	61	Apr-Sept	127	72	85
Rock Crk nr Mtn. Home	77	Apr-Sept	163	102	75
Strawberry at Duchesne	45	Apr-Sept	- -	72	62
Uinta nr Neola	92	Apr-Sept	201	95	97
Whiterocks nr Whiterocks	61	Apr-Sept	102	63	97
Yellowstone nr Altonah	62	Apr-Sept	137	73	85
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	8.7	Apr-Sept	15.1	11.9	73
Price nr Heiner (18)	33	Apr-Sept	- -	68	49
Scofield Reservoir Inflow (18)	23	Apr-Sept	- -	37	62
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	39	Apr-Sept	96	55	70
Ferron Crk nr Ferron	28	Apr-Sept	63	42	67
Huntington Crk nr Huntington	34	Apr-Sept	85	56	61
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	14	Apr-Sept	31	22.8*	61
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	35	Apr-June	- -	43	81
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	2500	Apr-Sept	5442	3789	66
Flaming Gorge Inflow (19)	620	Apr-July	1251	1129	55
Lake Powell Inflow (8)	4200	Apr-July	11810	7692	55
Green at Green River, Utah (19)	1650	Apr-Sept	- -	3368	49
San Juan nr Bluff, Utah (20)	1070	Apr-Sept	2090	1172	91

(17) Observed flow plus change in storage in Moon Lake Reservoir. (18) Observed flow plus change in storage in Scofield Reservoir. (19) Observed flow plus change in storage in Flaming Gorge, Fontenelle and Big Sandy Reservoirs. (20) Observed flow plus change in storage in Navajo Reservoir. (21) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell, Fontenelle and Big Sandy.

## GENERAL FOOTNOTES

(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1948-62, 15 year period. \*Partly estimated.





# RESERVOIR STORAGE ( 1,000 Ac. Ft. )

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED ( FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE <sup>a</sup>
<u>GREAT BASIN</u>					
<u>Bear River</u>	Bear Lake	1,421.0	1,131.4	948.0	920.0
	Woodruff Narrows	26.5	26.5	18.9	-
<u>Beaver River</u>	Rocky Ford	23.3	15.5	9.4	14.0
<u>Little Bear</u>	Hyrum	15.3	13.4	6.7	12.3
	Porcupine	11.3	4.0c	4.0	- -
<u>Ogden</u>	Causey	7.1	4.5	- -	- -
	Pineview	110.0	68.0	62.0	12.7
<u>Provo</u>	Deer Creek	149.7	116.5	92.1	94.6
<u>Sevier River</u>	Otter Creek	52.5	36.4	21.9	32.4
	Piute	74.0	58.7	29.2	45.4
	Sevier Bridge	236.1	130.1	60.0	124.4
<u>Spanish Fork</u>	Strawberry	270.0	120.7	66.6	138.5
<u>Utah Lake</u>	Utah Lake (b)	1,149.0	782.8	492.0	627.3
<u>Weber</u>	East Canyon	48.1	5.3	0.0	14.7
	Echo	73.9	59.7	46.1	35.3
	Rockport	60.9	48.0	33.5	- -
	Willard Bay	195.0	118.8	85.2	- -
<u>COLORADO RIVER DRAINAGE</u>					
<u>Ashley Creek</u>	Steinaker	33.3	22.5	16.6	- -
<u>Colorado</u>	Lake Powell	27,000.0*	8,907.0	6,222.0	- -
<u>Green</u>	Flaming Gorge	3,789.0*	2,414.3	669.3	- -
<u>Lake Fork</u>	Moon Lake	35.8	30.3	12.9	16.2
<u>Price River</u>	Scofield	65.8	55.1	15.2	21.2
<u>San Juan</u>	Navajo	1,709.0*	260.7	254.2	- -

All data contained in this table supplied by the U.S. Geological Survey.

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.

(d) Total capacity reported.



# COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGE	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *
Bear River South of Evanston, Wyo.	4	60	75
Smith's Fork - Bear River (Wyo.)	5	51	72
Emigration Creek (Idaho)	2	62	78
Strawberry-Mink Creeks (Ida)	3	80	84
Cub River (Ida)	3	83	69
Logan River	6	55	73
Blacksmith Fork-Little Bear	5	77	78
Malad River (Idaho)	1	38	51
Ogden River	5	78	77
Weber River above Echo Dam	8	57	67
Chalk Creek - Coalville	3	61	80
East Canyon Creek	3	60	69
Farmington Creek	2	60	69
Salt Lake Area	4	55	63
Tooele Area	3	63	67
American Fork River	3	72	65
Provo River above Vivian Park	6	56	64
Strawberry Reservoir Valley	3	67	74
Hobble Creek	2	45	50
Spanish Fork River	5	54	61
Mt. Nebo Area	2	73	72
Sevier River above Panguitch	6	80	69
East Fork Sevier River	4	92	74
Clear Creek above Sevier	1	77	77
Salina Creek	2	40	56
Mt. Pleasant Area	3	64	69
Ephraim Area	2	50	60
Manti Area	2	66	69
Mayfield Area	2	48	50
Chicken Creek-Levan	1	57	67
Chalk Creek - Fillmore	3	99	95
Beaver River	3	73	68
Parowan Creek	3	62	72
Coal Creek - Cedar City	4	97	93
New Harmony - Newcastle	1	13	19

## COLORADO RIVER BASIN IN UTAH

Duchesne River above Tabiona	3	52	64
Strawberry River	4	59	76
Lakefork River	3	64	71
Whiterocks - Uintah Rivers	3	107	84
Ashley - Brush Creeks	4	111	90
Price River	7	53	65
San Rafael Tributaries	9	53	66
Muddy River	2	66	67
Fremont River	3	44	55
Escalante River	3	102	74
Virgin River	4	92	80
LaSal Mtns. near Moab	2	90	87
Blue Mtns. nr Monticello	2	97	98

\* Actual or Estimated 1948-62, 15 year Average.



## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## GREAT BASIN DRAINAGE

UPPER BEAR RIVER  
(Above Harer, Idaho)

Big Park	10G11	8700	3/28	49	16.3	29.2	21.1*
Burts-Miller Ranch	10J6	7900	3/25	15	5.5	8.9	6.6
CCC Camp x	10G7	7500	3/30	28	7.6	16.6	12.0
Hayden Fork	10J7	9300	3/25	41	12.8	21.4	18.0*
Kelly Ranger Station	10G12	8200	3/28	45	14.3	27.4	18.6*
Monte Cristo R.S.	11H12	8960	3/29	59	23.2	29.4	27.4
Piney LaBarge 2 x	10G10	8820	3/29	42	15.4	35.2	21.0
Poison Meadows x	10G6	8500	3/29	62	21.4	42.0	29.7
Salt River Summit x	10G8	7900	3/30	38	11.5	19.6	16.0
Stillwater Camp	10J17	8550	3/25	30	9.6	15.8	12.5*
Trial Lake x	10J8	9800	3/31	56	19.6	36.0	28.0

LOWER BEAR RIVER  
(Below Harer, Idaho)

Beaver Crk-Skunk Crk.	11H14	7150	3/29	26	8.5	12.9	13.2*
Christensen Ranch	11G11	5600	4/1	17	5.4	7.3	8.6*
Cub River R.S.	11G12	5400	3/31	12	5.2	4.0	7.6*
Dry Bread Pond x	11H13	8230	3/29	42	14.7	19.0	19.6
Dry Creek Flat	12G4	6350	3/29	Trace	Trace	3.2	4.1*
Emigration Canyon	11G7	6500	3/29	23	8.7	12.2	10.5*
Emigrant Summit	11G6	7700	3/29	47	17.9	33.7	24.9
Franklin Basin	11G8	8200	3/30	57	22.2	39.4	29.1
Garden City Summit	11H7	7600	3/30	43	14.8	25.8	20.2
Klondike Narrows	11H1	7400	3/30	37	14.6	28.9	21.5*
Little Bear(lower)	11H26	6100	3/25	23	9.0	7.1	9.1*
Little Bear(upper)	11H25	6850	3/25	29	11.4	10.8	12.5*
Monte Cristo R.S.	11H12	8960	3/29	59	23.2	29.4	27.4
Oxford Mountain	12G3	6800	3/29	13	4.2	11.0	8.2*
Slug Creek Divide	11G5	7225	3/29	37	13.2	21.8	16.2
Steep Hollow #1	11H27	8500	3/30	74	30.0	52.3	37.0*
Steep Hollow #2	11H28	7700	3/30	49	20.5	38.2	28.0*
Strawberry Creek	11G9	5800	4/1	19	7.1	12.0	12.1*
Strawberry Mink Divide	11G10	6800	4/1	34	12.6	27.7	22.6
Tony Grove R.S.	11H3	6250	3/30	18	7.5	13.8	11.0
Willow Flat	11G4	6100	3/31	24	9.7	15.7	15.2*

## OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	3/29	26	8.5	12.9	13.2*
Ben Lomond(lower)	11H9	5850	3/28	31	12.3	14.0	16.0*
Ben Lomond Peak	11H8	8000	3/28	71	30.4	37.5	36.0*
Ben Lomond Trail	11H30	6000	3/28	32	13.3	14.9	- -
Cutler Creek	11H29	6780	3/28	53	21.2	29.8	- -

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1948-62, 15 year average.





## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

OGDEN RIVER - Continued

Dry Bread Pond	11H13	8230	3/29	42	14.7	19.0	19.6
Horse Ridge	11H21	8260	3/24	50	18.1	27.8	- -
Monte Cristo R.S.	11H12	8960	3/29	59	23.2	29.4	27.4
Sagebrush Flat	11H15	6300	3/29	0	0.0	1.0	2.3*

WEBER RIVER

Beaver Creek R.S.	11J24	7500	3/31	8	3.7	11.9	9.2
Chalk Creek #1	11J1	9100	3/28	57	20.5	31.5	25.1*
Chalk Creek #2	11J2	8000	3/28	38	12.9	20.4	16.0*
Chalk Creek #3	11J3	7500	3/28	14	6.0	10.8	7.9*
Farmington Canyon(lower)	11J12	6950	3/30	39	16.2	25.5	25.4*
Farmington Canyon(upper)	11J11	8000	3/30	62	21.9	39.3	29.4*
Horse Ridge	11H21	8260	3/24	50	18.1	27.8	- -
Kilfore Creek	11H31	7300	3/24	40	12.9	16.5	- -
Lamb's Canyon x	11J14	6600	3/30	28	9.8	19.0	15.8
Lost Creek Reservoir	11H32	6125	3/24	8	3.2	T	- -
Parley's Canyon Smt.	11J15	7500	3/26	38	13.2	25.3	19.6
Redden Mine(lower)	11J6	8500	3/30	39	14.7	22.6	20.4
Redden Mine(upper)	11J5	9000	3/30	43	17.0	25.5	21.7
Silver Lake x	11J16	8725	3/31	54	21.0	27.3	27.4
Smith & Morehouse	11J4	7600	3/29	26	9.5	17.2	13.8
Trial Lake x	10J8	9800	3/31	56	19.6	36.0	28.0

PROVO RIVER & UTAH LAKE

Camp Altamont	11J20	7300	3/30	26	10.6	14.6	17.6
Clear Creek Ridge #1	11K21	9200	3/28	40	13.8	23.7	19.2*
Clear Creek Ridge #2	11K22	8000	3/28	31	9.9	17.8	14.1*
Clear Creek Ridge #3	11K23	6600	3/28	2	1.1	8.9	6.2*
Daniels-Strawberry Smt.	11J23	8000	3/30	32	12.0	17.2	16.3
Dutchman R.S.	11J17	7500	3/30	28	11.2	18.0	20.0
East Portal	11J7	7560	3/30	30	9.6	14.4	12.8
Hobble Creek Summit	11J22	7300	3/29	20	8.4	16.0	14.7
Packard Canyon	11J31	6400	3/29	10	4.4	11.7	10.5*
Payson R.S.	11K1	8050	3/27	41	16.1	19.5	19.1
Rock Bridge	11K2	6750	3/27	19	7.8	12.3	13.2*
Soapstone R.S.	11J25	7800	3/31	16	6.4	19.7	13.6
South Fork R.S.	11J19	6100	3/30	0	0.0	3.4	5.2
Strawberry Divide	11J8	8000	3/30	44	15.9	25.0	21.5
Timpanogos Cave Camp	11J18	5500	3/30	0	0.0	0.0	2.2
Timpanogos Divide	11J21	8140	3/30	52	21.4	26.2	26.6
Trial Lake	10J8	9800	3/31	56	19.6	36.0	28.0

JORDAN RIVER & TOOELE VALLEY

Bevan's Cabin	12J2	6450	3/25	20	8.3	12.4	11.3*
Lamb's Canyon	11J14	6600	3/30	28	9.8	19.0	15.8
Middle Canyon - Tooele	12J3	7000	3/29	23	8.6	15.1	14.8*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. \* Estimated 1948-62, 15 year average.



## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

JORDAN RIVER & TOOEE VALLEY - Continued

Mill D South Fork	11J10	7400	3/31	28	9.5	24.7	21.4
Parley's Canyon Smt. x	11J15	7500	3/26	38	13.2	25.3	19.6
Rocky Basin-Settlement Cyn.	12J1	8900	3/25	55	18.7	28.7	27.0*
Silver Lake	11J16	8725	3/31	54	21.0	27.3	27.4

UPPER SEVIER RIVER  
(South of Richfield, Utah)

Big Flat x	12L7	10290	3/28	44	14.2	18.7	19.7
Box Creek	12L4	9800	3/28	32	10.0	15.7	13.2*
Bryce Canyon	12M8	8000	3/30	0	0.0	4.2	3.8
Castle Valley	12M13	9700	3/31	26	10.3	12.2	14.5*
Cedar Breaks	12M1	10390	3/29	54	21.2	20.9	22.7
Duck Creek R.S.	12M4	8560	3/29	30	12.8	13.0	15.2
Fish Lake	11L3	8700	4/5	0	0.0	9.7	8.3
Harris Flat R.S.	12M5	7700	3/29	9	3.4	8.8	7.9
Kimberly Mine	12L6	8900	3/24	36	12.6	16.4	16.3
Long Valley Jct. x	12M6	7500	3/29	0	0.0	0.0	2.7
Midway Valley	12M2	9800	3/29	62	23.0	19.8	23.7*
Panguitch Lake	12M7	8200	3/31	3	1.0	2.4	4.2
Squaw Springs	12L5	9300	3/28	16	5.2	8.3	7.4*
Widtsoe-Escalante Smt.	11M1	9500	3/25	12	4.6	6.7	7.4
Widtsoe-Escalante #2	11M2	9500	3/25	29	8.6	7.8	10.8*
Widtsoe-Escalante #3	11M3	9500	3/25	37	10.8	8.6	13.5*

LOWER SEVIER RIVER  
(Including San Pitch River)

Bear Canyon	12L3	7200	3/30	17	6.1	10.6	10.3*
Beaver Dams	11K13	8000	3/29	15	5.0	13.3	13.2*
Farnsworth Lake	11L1	9900	3/30	37	11.7	25.6	18.6*
G.B.R.C. Headquarters	11K11	8700	3/31	28	9.4	21.3	18.1
G.B.R.C. Meadows	11K10	10000	3/31	50	18.2	31.9	26.9
Gooseberry R.S.	11L2	8400	3/30	19	5.8	16.9	11.7
Gooseberry Reservoir x	11K4	8700	3/28	40	13.7	22.5	20.8
Huntington-Horseshoe	11K5	9800	3/28	52	17.6	27.4	25.3
Mammoth R.S.-Ctnwood Crk.	11K3	8800	3/28	42	15.2	23.0	21.6
Middle Fork	11K34	9600	3/25	51	17.4	25.8	25.1*
Mt. Baldy R.S.	11K12	9500	3/29	46	15.4	26.7	24.5*
Pickle Keg Springs	11K39	9600	4/1	26	9.4	18.3	- -
Pine Creek	12L1	8700	3/29	27	10.6	17.7	16.5
Rees's Flat	11K36	7300	3/24	29	8.6	15.1	12.9*
Salina Creek(lower)	11L8	7250	4/1	0	0.0	2.2	- -
Shingle Mill	12L11	6200	3/30	19	6.8	8.6	10.2*
Thistle Flat	11K35	8500	3/25	36	12.0	18.5	17.3*
White Gate	11L7	9350	4/1	15	5.8	13.4	- -

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1948-62, 15 year average.





# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE <sup>a</sup>

## BEAVER RIVER

Big Flat	12L7	10000	3/28	44	14.2	18.7	19.7
Merchant's Valley	12L9	8200	3/28	22	6.6	9.4	10.8
Otter Lake	12L8	9300	3/28	36	11.7	16.2	16.2

## PAROWAN CREEK

Birch Crossing	12M16	8100	3/29	2	0.8	9.7	- -
Brian Head	12M14	10400	3/29	51	18.5	21.9	- -
Ed Ward Flat	12M12	8300	3/29	13	4.2	11.8	7.7
Tall Poles	12M15	8800	3/29	28	10.2	18.0	- -
Yankee Reservoir	12M11	8700	3/29	23	7.1	14.6	10.3

## COAL CREEK

CSU Ranch	12M17	8200	3/30	2	1.0	- -	- -
Cedar Breaks	12M1	10390	3/29	54	21.2	20.9	22.7
Midway Valley x	12M2	9800	3/29	62	23.0	19.8	23.7*
Urie Flat	12M10	8450	3/30	2	0.8	8.1	6.2*
Webster Flat	12M3	9200	3/30	40	16.1	14.2	16.8

## ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek	13M4	6100	3/30	0	0.0	0.0	0.6*
Long Flat	13M2	8000	3/31	3	1.0	7.9	5.4*

## COLORADO RIVER DRAINAGE

### UPPER GREEN RIVER IN UTAH

#### (Tributaries above Flaming Gorge)

Black's Fork Jct.	10J22	8925	3/22	30	7.0	15.5	- -
Buck Pasture A	10J23	9700	3/14	45	10.8	- -	- -
E.Fk, Black's Fk. G.S.	10J21	9300	3/22	28	6.3	14.8	- -
Henry's Fork A	10J24	10200	3/14	37	8.9	- -	- -
Hewinta Guard Station	10J4	9500	3/23	30	7.3	13.2	10.6
Hickerson Park	9J8	9100	3/25	16	3.5	7.4	- -
Hole-in-the-Rock	10J1	9150	3/24	17	4.0	6.0	6.9
Hole-in-the-Rock G.S.	10J3	8300	3/24	1	0.3	3.5	2.1*
Middle Beaver Creek	10J2	8550	3/24	11	3.3	6.6	6.0*
Spirit Lake	9J7	10300	3/25	38	9.8	12.9	- -
Steel Creek Park	10J20	9900	3/23	51	12.4	21.8	- -

### GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER

Ashley Twin Lakes A	9J11	10500	3/14	58	15.4	- -	- -
King's Cabin(lower)	9J2	8600	3/24	34	9.6	8.5	10.1
King's Cabin(upper)	9J1	8730	3/24	39	10.1	9.1	11.6
Reynolds Park A	9J10	10400	3/14	62	16.4	- -	- -
Windy Park A	9J12	9400	3/14	36	9.4	- -	- -

(a) 1948-62, 15 year period. (x) Average of all past records. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1948-62, 15 year average.



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## DUCHESNE RIVER

Atwood Basin A	10J27	10250	3/14	36	9.9	-	-
Brown Duck Lake	10J9	10300	3/30	41	11.9	20.2	18.6
Chepeta-Whiterocks Lks.A	9J9	10300	3/14	48	12.7	-	-
Currant Creek	11J32	7800	3/31	14	5.2	11.3	9.5*
Daniels-Strawberry Smt.x	11J23	8000	3/30	32	12.0	17.2	16.3
East Portal x	11J7	7560	3/30	30	9.6	14.4	12.8
Five Point Lake A	10J26	11000	3/14	62	15.5	-	-
Indian Canyon	10K1	9100	3/28	41	13.1	19.2	13.1
Jackson Park	10J19	11300	3/22	48	12.8	13.4	14.3*
Julius Park	9J6	9800	3/28	42	11.6	11.4	15.9*
Lakefork Basin A	10J25	11100	3/14	56	13.7	-	-
Lakefork Mountain	10J10	10500	3/29	38	10.3	13.9	12.8
Lakefork Mountain #2	10J11	8900	3/29	19	5.7	9.5	8.4*
Lakefork Mountain #3	10J12	8100	3/29	16	5.3	8.3	6.3*
Mosby Mountain	9J5	9500	3/28	35	9.8	9.9	11.7
Paradise Park	9J3	10100	3/28	42	13.0	10.8	13.6
Rock Creek	10J18	7900	4/1	10	4.2	7.5	6.6*
Soapstone R.S. x	11J25	7800	3/31	16	6.4	19.7	13.6
Trial Lake x	10J8	9800	3/31	56	19.6	36.0	28.0
White River #1 x	10K2	8600	4/1	25	7.8	19.2	14.3*

## PRICE RIVER

Corral	10K5	8200	4/4	16	5.5	12.7	7.9*
Dry Valley Divide	11K8	7800	3/31	17	5.2	14.2	11.7
Gooseberry Reservoir	11K4	8700	3/28	40	13.7	22.5	20.8
Grassy Trail Crk-Left Fk.	10K3	7970	4/4	21	6.8	12.0	9.7*
Huntington-Horseshoe	11K5	9800	3/28	52	17.6	27.4	25.3
Indian Canyon x	10K1	9100	3/28	41	13.1	19.2	13.1
Jones Ranch	11K7	7600	3/31	0	0.0	10.0	6.9
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	3/25	42	15.2	23.0	21.6
Mud Creek #2	11K33	8300	3/31	21	6.5	20.4	13.5*
Timberline	10K6	9100	4/4	46	15.0	19.1	14.5*
White River #1	10K2	8600	4/1	25	7.8	19.2	14.3*
White River #2	11K24	7600	4/1	9	3.5	11.7	8.7*
White River #3	11K25	7400	4/1	0	0.0	11.0	8.4*

## SAN RAFAEL RIVER

Buck Flat	11K31	9400	3/28	35	10.5	21.4	17.0*
Gooseberry Reservoir x	11K4	8700	3/28	40	13.7	22.5	20.8
Huntington-Horseshoe	11K5	9800	3/28	52	17.6	27.4	25.3
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	3/25	42	15.2	23.0	21.6
Red Pine Ridge	11K28	9400	3/29	38	13.2	25.4	18.0*
Rush Pond	11K38	9800	3/28	30	8.0	19.5	14.7*
Seely Creek R.S.	11K9	10000	3/31	38	11.4	21.3	16.7

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1948-62, 15 year average.



## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE <sup>a</sup>

SAN RAFAEL RIVER - Continued

Stuart R.S.	11K27	7950	3/30	11	3.8	13.8	8.1*
Switchback	11K26	8600	3/30	33	10.5	20.2	17.3*
Upper Joe's Valley	11K29	8800	3/29	20	5.8	15.8	10.1*
Wrigley Creek	11K32	9000	3/28	32	9.1	14.4	11.1*

MUDDY RIVER

Black's Fork	11K14	9200	3/22	39	11.1	15.7	15.9
Dill's Camp	11K15	9200	3/22	34	8.8	14.4	13.8
Mt. Baldy R.S. x	11K12	9500	3/29	46	15.4	26.7	24.5*

FREMONT RIVER

Black's Flat-UM Creek	11L4	9250	4/5	21	5.6	14.0	10.1*
Donkey Reservoir	11L5	9800	4/4	16	4.2	9.0	8.9*
Farnsworth Lake x	11L1	9900	3/30	37	11.7	25.6	18.6*
Fish Lake	11L3	8700	4/5	0	0.0	9.7	8.3
Johnson Valley	11L6	8850	4/5	0	0.0	10.0	9.4*

ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	3/25	12	4.6	6.7	7.4
Widtsoe-Escalante #2	11M2	9500	3/25	29	8.6	7.8	10.8*
Widtsoe-Escalante #3	11M3	9500	3/25	37	10.8	8.6	13.5*

VIRGIN RIVER

Cedar Breaks x	12M1	10390	3/29	54	21.2	20.9	22.7
Duck Creek R.S.	12M4	8560	3/29	30	12.8	13.0	15.2
Harris Flat R.S.	12M5	7700	3/29	9	3.4	8.8	7.9
Long Valley Jct.	12M6	7500	3/29	0	0.0	0.0	2.7
Midway Valley x	12M2	9800	3/29	62	23.0	19.8	23.7*
Webster Flat	12M3	9200	3/30	40	16.1	14.2	16.8

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	3/24	35	13.6	14.3	14.4
Camp Jackson	9M2	8600	3/24	32	13.0	13.2	12.8*
LaSal Mountain	9L1	8800	3/25	27	8.6	10.9	11.2
LaSal Mountain (upper)	9L2	9600	3/25	48	18.0	17.7	18.7*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1948-62, 15 year average.





# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

## GREAT BASIN DRAINAGE

### UPPER BEAR RIVER (Above Harer, Idaho)

Burts-Miller Ranch	7900	3/25	- -	- -	7.40	- -	--
Chalk Creek #1*	9100	3/28	2.90		18.70	- -	--
Chalk Creek #2*	8000	3/28	2.15	3.05	13.29	16.80	79
Chalk Creek #3*	7500	3/28	1.92	- -	10.77	- -	--
Hayden Fork	9300	3/25	- -	- -	15.59	- -	--
Kelly R.S.	8200	3/28	2.00	- -	12.10	- -	--
Monte Cristo #2	8960	3/29	4.13	5.20	23.50	28.50	82
Salt River Summit	7900	3/30	1.70	3.40	11.80	18.00	66
Stillwater Camp	8550	3/25	- -	- -	9.79	13.00	75
Trial Lake *	9800	3/31	2.84	4.35	19.38	23.80	81

### LOWER BEAR RIVER (Below Harer, Idaho)

Dry Bread Pond	8230	3/29	3.08	4.15	20.02	22.00	91
Garden City Summit	7600	3/30	1.96	3.70	15.48	19.20	81
Klondike Narrows	7400	3/30	2.70	4.25	20.26	23.45	86
Little Bear(upper)	6850	3/25	2.49	3.70	18.07	19.50	93
Monte Cristo #2	8960	3/29	4.13	5.20	23.50	28.50	82
Tony Grove R.S. (SCS)	6250	3/30	1.56	- -	15.40	- -	--
Willow Flat	6100	3/31	3.61	4.25	18.60	23.75	78

### OGDEN RIVER

Ben Lomond(lower)	5850	3/28	2.50	4.85	23.65	26.00	91
Ben Lomond Trail	6000	3/28	2.58	5.15	24.90	27.30	91
Causey Dam	5500	3/29	1.28	- -	11.89	- -	--
Dry Bread Pond	8230	3/29	3.08	4.15	20.02	22.00	91
Horse Ridge	8260	3/24	3.23	- -	18.49	- -	--
Monte Cristo #2*	8960	3/29	4.13	5.20	23.50	28.50	82
Sagebrush Flat	6300	3/29	1.43	2.80	12.49	14.60	86

### WEBER RIVER

Chalk Creek #1	9100	3/28	2.90	- -	18.70	- -	--
Chalk Creek #2	8000	3/28	2.15	3.05	13.29	16.80	79
Chalk Creek #3	7500	3/28	1.92	- -	10.77	- -	--
Farmington Guard Sta.(1)	7500	3/30	2.35	6.05	23.72	29.85	79
Farmington Rice (1)	7000	3/29	2.55	5.57a	21.08	27.31a	77
Horse Ridge	8260	3/24	3.23	- -	18.49	- -	--
Lost Creek reservoir	6125	3/24	0.97	- -	9.85	- -	--
Mt. Dell Dam (2)*	5500	3/31	1.54	2.64a	11.33	12.31a	85
Parley's Canyon Smt.	7500	3/26	2.61	3.95	15.81	21.50	74
Redden Mine(upper)	9000	3/30	3.35	- -	20.50	- -	--
Silver Lake(Brighton)(2)*	8725	3/31	3.01	5.89a	22.34	29.31a	76
Smith & Morehouse	7600	3/29	2.30	3.55	15.09	18.50	82
Trail Lake	9800	3/31	2.84	4.35	19.38	23.80	81

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## PROVO RIVER & UTAH LAKE

Clear Creek Ridge #2	8000	3/28	1.48	2.90	12.13	16.50	74
Daniels-Strawberry Smt.	8000	3/30	1.97	4.00	15.48	18.80	82
Dutchman R.S.	7500	3/30	1.90	5.24	17.50	26.75	65
East Portal Ridge	7800	3/30	1.60	- -	14.85	- -	--
Hobble Creek Smt.	7300	3/29	1.48	3.15	13.43	17.80	75
Payson R.S.	8050	3/27	2.52	2.95	15.91	17.60	90
Soapstone R.S.	7800	3/31	1.34	3.25	12.62	16.50	76
Strawberry Res.-E.Portal	7606	3/30	0.60	1.83a	9.17	10.59a	87
Timpanogos Divide	8200	3/30	1.90	5.24a	24.08	26.75a	90
Trial Lake	9800	3/31	2.84	4.35	19.38	23.80	81

## JORDAN RIVER & TOOELE VALLEY

Middle Canyon	7000	3/29	2.40	3.20	14.06	16.80	84
Mt. Dell Dam (2)	5500	3/31	1.54	2.64a	11.33	13.31a	85
Parley's Canyon Smt.	7500	3/26	2.61	3.95	15.81	21.50	74
Silver Lake(Brighton)(2)	8725	3/31	3.01	5.89a	22.34	29.31a	76

## SEVIER RIVER ABOVE RICHFIELD

Big Flat*	10290	4/1	2.20	3.85	14.27	18.70	76
Box Creek	9800	3/28	1.77	2.95	10.95	13.50	81
Castle Valley	9700	3/31	1.65	3.20	16.42	16.80	98
Cedar Breaks	10390	3/29	0.98	4.20	20.29	22.00	92
Duck Creek R.S.	8560	3/29	1.15	3.75	21.18	19.50	109
Fish Lake	8700	4/5	1.33	1.43	7.44	7.43	100
Kimberly Mine	8900	3/24	- -	4.05	15.60	18.55	84
Panguitch Lake	8200	3/31	0.60	1.45	8.00	7.55	106
Webster Flat*	9200	3/30	0.65	4.05	22.83	21.05	108
Widtsoe-Escalante #3	9500	3/25	1.09	2.45	12.41	12.80	97
Widtsoe R.S.	7600	3/25	0.46	0.97a	4.22	5.23a	81

## SEVIER RIVER BELOW RICHFIELD

### (Including San Pitch River

Beaver Dams	8000	3/28	1.77	3.16	10.30	15.20	68
Farnsworth Lake	9900	3/30	2.10	4.10	12.94	19.15	68
G.B.R.C.Headquarters(1)	8700	3/31	1.74	4.14a	12.34	19.04a	65
G.B.R.C. Meadows(1)	10000	3/31	1.79	4.81a	16.56	21.27a	78
G.B.R.C. Oaks (1)	7655	3/31	0.85	2.90a	7.55	13.28a	57
Gooseberry R.S.(1)	7800	3/30	1.35	2.90	9.22	13.25	70
Gooseberry Reservoir*	8700	3/28	1.76	3.45	15.33	18.80	82
Mammoth R.S.#2*	8600	3/28	1.92	3.60	15.48	18.70	83
Mt. Baldy	9500	3/29	2.34	- -	13.39	- -	--
Pickle Keg Springs	9600	4/1	- -	- -	10.95	- -	--
Pine Creek	8700	3/29	3.80	4.85	20.00	23.70	84
Salina Creek(lower)	7250	4/1	- -	- -	6.09	- -	--
Shingle Mill	6200	3/30	2.25	3.55	12.67	15.35	83
White Gate	9350	4/1	- -	- -	7.83	- -	--

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## BEAVER RIVER

Beaver Canyon P.H. (2)	7275	3/31	0.78	2.45a	7.76	10.34a	75
Big Flat	10290	4/1	2.20	3.85	14.27	18.70	76
Merchant's Valley	8650	4/1	2.02		11.47		--

## PAROWAN CREEK

Tall Poles	8800	3/29	1.60	- -	13.03	- -	--
Yankee Reservoir	8700	3/29	1.39	2.30	10.83	11.95	91

## COAL CREEK

Cedar Breaks	10390	3/29	0.98	4.20	20.29	22.00	92
Webster Flat*	9200	3/30	0.65	4.05	22.83	21.05	108

## ENTERPRISE TO NEW HARMONY DRAINAGE

Little Grassy Creek	6100	3/30	0.92	2.30	17.14	11.90	144
Long Flat	8000	3/31	0.95	2.70	13.57	14.00	97

## COLORADO RIVER DRAINAGE

### UPPER GREEN RIVER IN UTAH

#### (Tributaries above Flaming Gorge)

Black's Fork Jct.	8925	3/22	1.66	- -	7.92	- -	--
Burnt Creek	7900	3/24	0.73	- -	6.50	- -	--
E.Fk. Black's Fk. G.S.	9300	3/22	1.92	- -	8.41	- -	--
Hewinta G.S.	9500	3/23	2.05	- -	9.50	- -	--
Hickerson Park	9100	3/25	- -	- -	5.63	- -	--
Spirit Lake	10300	3/25	2.01	- -	11.11	- -	--
Steel Creek Park	9900	3/23	2.14	- -	10.00	- -	--

### GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER

Grizzly Ridge	8500	3/25	1.18	- -	12.08	- -	--
King's Cabin(upper)	8730	3/24	1.18	2.00	10.53	12.75	83

## DUCHESNE RIVER

Brown Duck Ridge	10800	No Report		- -	- -	- -	--
Currant Creek	7800	3/31	- -	- -	11.70	13.30	88
Daniels-Strawberry Smt.*	8000	3/30	1.97	4.00	15.48	18.80	82
East Portal Ridge*	7800	3/30	1.60	- -	14.85	- -	--
Indian Canyon	9100	3/28	1.24	2.50	13.74	15.20	90
Jackson Park	10650	3/22	- -	- -	13.35	- -	--
Julius Park	9800	3/28	1.00	2.75	11.79	14.90	79
Lakefork Mountain	10500	3/29	1.60	2.45	11.45	14.10	81
Moon Lake	8150	3/31	0.70	1.18a	7.55	8.29a	91
Mosby Mountain	9500	3/28	- -	- -	11.96	- -	--
Paradise Park	10100	3/28	1.36	2.85	14.05	16.00	88
Rock Creek	7900	4/1	- -	- -	9.96	12.15	82
Soapstone R. S.*	7800	3/31	1.34	3.25	12.62	16.50	76

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## DUCHE SNE RIVER - Continued

Strawberry Res.-E. Portal*7606	3/30	0.60	1.83a	9.17	10.59a	87
Trial Lake*	9800	3/31	2.84	4.35	19.38	81
White River #1*	8600	4/1	1.05	2.65	10.10	63

## PRICE RIVER

Clear Creek Ridge #2*	8000	3/28	1.48	2.90	12.13	16.50	74
Gooseberry Reservoir	8700	3/28	1.76	3.45	15.33	18.80	82
Indian Canyon	9100	3/28	1.24	2.50	13.74	15.20	90
Mammoth R.S.#2	8600	3/28	1.92	3.60	15.48	18.70	83
Mud Creek	8300	3/31	1.35	2.60	11.30	15.50	73
White River #1	8600	4/1	1.05	2.65	10.10	16.00	63

## SAN RAFAEL RIVER

Buck Flat	9400	3/28	2.00	3.60	12.15	17.15	71
G.B.R.C. Meadows*(1)	10000	3/31	1.79	4.81a	16.56	21.27a	78
Gooseberry Reservoir*	8700	3/28	1.76	3.45	15.33	18.80	82
Orange Olsen		3/29	0.60	- -	5.75	- -	--
Red Pine Ridge	9400	3/29	2.75	4.30	15.55	20.70	75
Stuart R.S.	7950	3/30	- -	- -	8.85	12.90	69

## MUDDY RIVER

Mt. Baldy R.S.*	9500	3/29	2.34	- -	13.39	- -	--
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## FREMONT & ESCALANTE RIVERS

Black's Flat-U.M.Creek	9250	4/5	1.83	2.45	9.07	12.00	76
Farnsworth Lake*	9900	3/30	2.10	4.10	12.94	19.15	68
Fish Lake	8700	4/5	1.33	1.43	7.44	7.43	100
Widtsoe-Escalante #3	9500	3/25	1.09	2.45	12.41	12.80	97

## VIRGIN RIVER

Duck Creek R.S.	8560	3/29	1.15	3.75	21.18	19.50	109
Webster Flat	9200	3/30	0.65	4.05	22.83	21.05	108

## SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	3/24	0.95	3.95	18.05	21.20	85
Camp Jackson	8600	3/24	0.50	3.15	16.80	16.75	100
LaSal Mountain(upper)	9600	3/25	- -	3.25	17.10	19.65	87

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# Agencies Cooperating in Utah Snow Surveys

## U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U. S. Department of Commerce  
Weather Bureau  
U. S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah Agricultural Experiment Station  
Utah Fish and Game Department  
Utah State Engineer  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner  
Utah Water and Power Board

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation

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